

**THE EFFECT OF GIVING
FERMENTED EARTHWORM JUICE
(*Lumbricus rubellus*) TO THE FEED
CONSUMTION, DAILY WEIGHT GAIN,
FEED CONVERTION AND AGE AT FIRST
SPAWN OF QUAIL JAPANESE
(*Coturnix coturnix japonica*)**

Aburizal Amirrudin¹⁾, Edhy Sudjarwo²⁾, and Muharliien²⁾

¹⁾Student of Animal Husbandry Faculty, University of
Brawijaya, Malang

²⁾Lecture of Animal Husbandry Faculty, University of
Brawijaya, Malang

E-mail: amirrudinaburizal@gmail.com

ABSTRACT

Research was carried out at the Subur pen farm on Perum Citra Pesona Buring Raya D2 No. 9 street Wonokoyo Village, Kedungkandang Subdistrict, Malang City. The purpose of this study was to determine the effect of adding fermented earthworm juice for feed additive on production performance of japaneses quail including the feed consumption, daily weight gain, feed conversion and age at first spawn. This study uses seven days old of 192 quail, were divided into four treatment P0 (without addition fermented earthworm juice), P1 (0,5% fermented earthworm juice), P2 (1% fermented earthworm juice) and P3 (1,5% fermented earthworm juice) with six replications, in which each replication contained eight quails. Data were collected for five weeks. The observed variable was feed consumption, daily weight gain, feed conversion and age

at first spawn. Data were analyzed by analysis of variance (ANOVA) than when the result have significant difference, it will be continued whit Duncan's Multiple Range Test (DMRT). The result showed that addition of fermented earthworm juice did not give significant difference on production performances such as feed consumption, daily weight gain, feed conversion and age at first spawn.

Keywords: Fermented earthworm juice, feed consumption, daily weight gain and age at first spawn.